

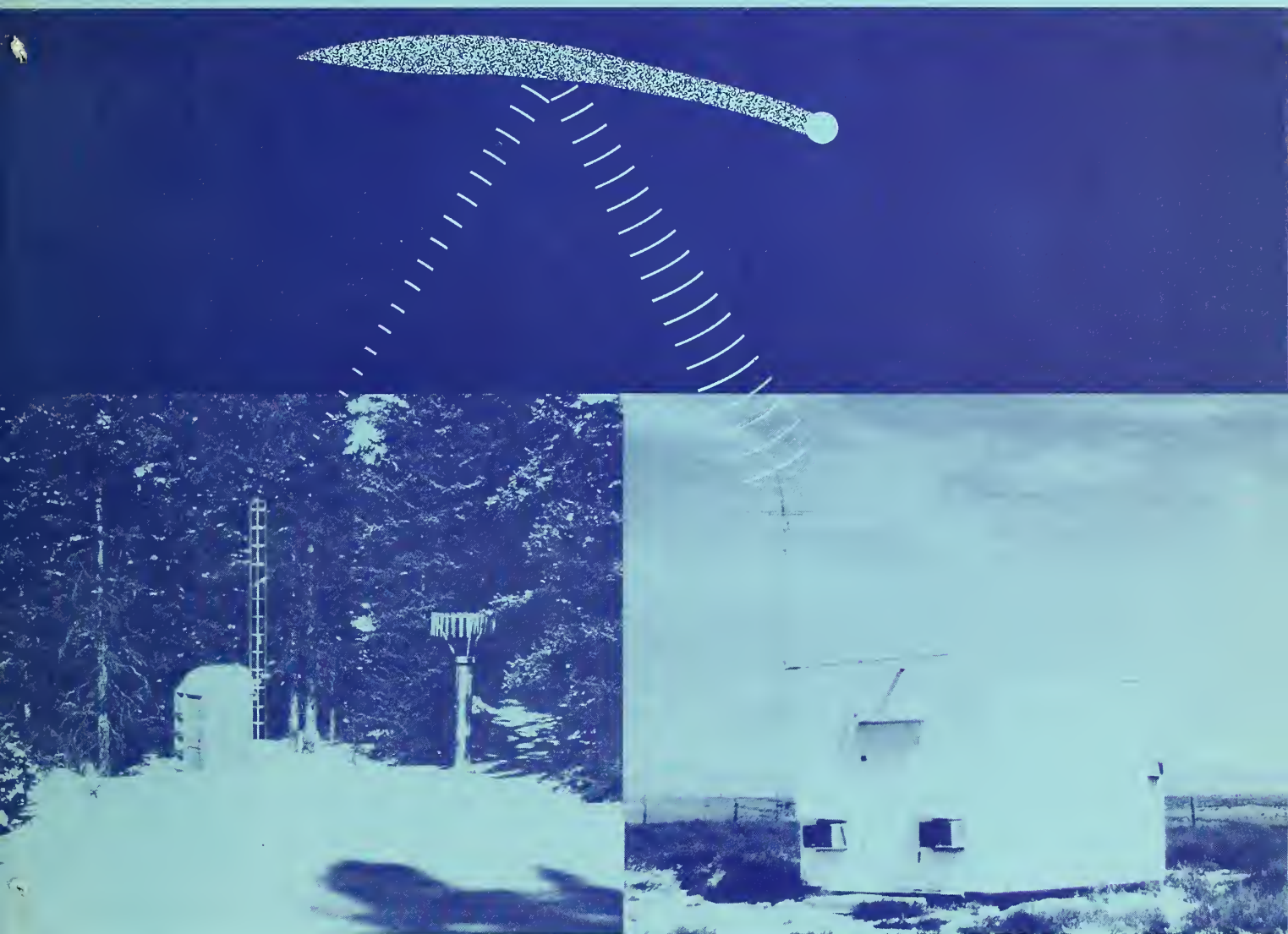
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WATER SUPPLY OUTLOOK FOR WYOMING



U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

STATE ENGINEER of WYOMING

AS OF
FEB. 1, 1978

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: SOME OF THE DATA IN THIS REPORT HAVE BEEN RECEIVED THROUGH THE SOIL CONSERVATION SERVICE'S NEW SNOTEL SYSTEM WHICH TRANSMITS INFORMATION VIA THE SPACE AGED METEOR BURST METHOD FROM DATA SITES TO MASTER STATIONS LIKE THESE.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1220 S.W. Third Ave., Portland, Oregon 97204
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P.O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.



WATER SUPPLY OUTLOOK FOR WYOMING

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

R. M. DAVIS
ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

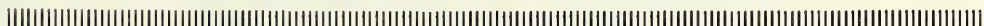


Released by

FRANK S. DICKSON, JR.
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
CASPER, WYOMING

In Cooperation with

GEORGE L. CHRISTOPULOS
STATE ENGINEER
STATE OF WYOMING



Report prepared by

JAMES W. HAGLUND, Snow Survey Supervisor
JON G. WERNER, Assistant Snow Survey Supervisor
and
MARILYN A. STARKS, Statistical Assistant

SOIL CONSERVATION SERVICE
P.O. BOX 2440
CASPER, WYOMING 82601

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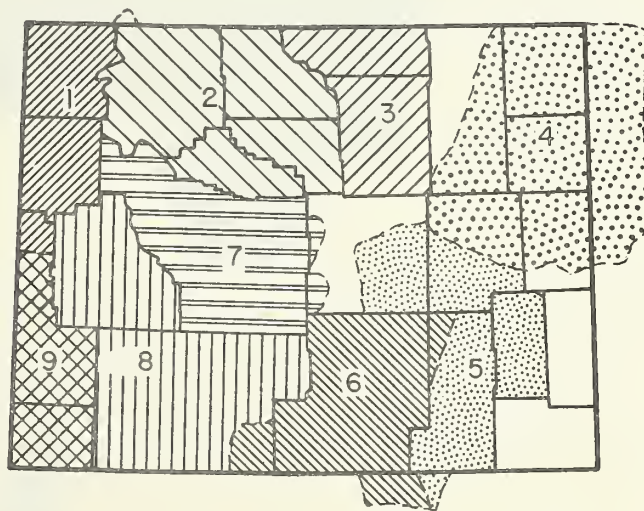
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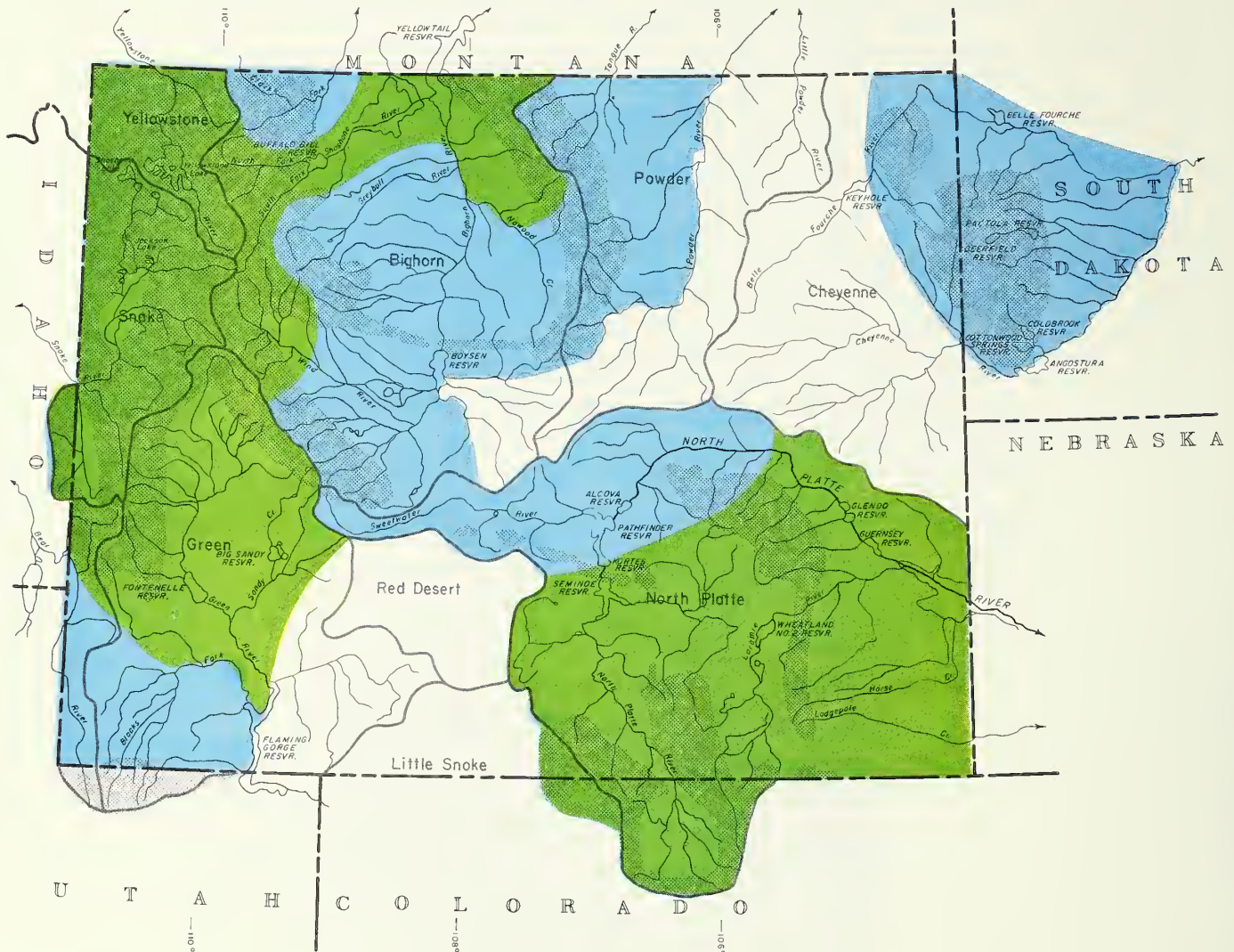


WATERSHED AREA LOCATIONS

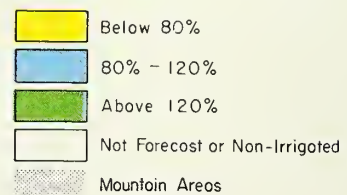
PROSPECTIVE WATER SUPPLIES FOR WYOMING SPRING AND SUMMER PERIOD

February 1, 1978

50 0 50 MILES
SCALE 1 : 4,250,000



FORECAST STREAM FLOW
in Percent of 1958-1972 Year Average





Typical Wyoming SNOTEL site.

WYOMING SUMMARY as of FEBRUARY 1, 1978

* * * * *

*
* *Average to excellent water supplies are forecast for the spring* *
* *and summer months in Wyoming. The state currently boasts of a* *
* *generous snowpack in most areas--and the promise of relief from* *
* *last year's drought conditions.* *
* *
* * * * *

SNOWPACK

With 60 percent of the snow accumulation period lapsed, the snowpack ranges from near average in the northeast portion of the state to 50 percent above normal in the northwest and southeast mountains. Many areas have 5 or 6 times as much snow this year as the same time last year. The only low spot in the state is the Greybull drainage with half the normal amount--but that is still 40 percent more than last year.

Continued on next page---

PRECIPITATION

Precipitation at lower elevations has been up to 50 percent above normal for the winter season in the northeast quarter and western border areas of the state with normal or slightly below normal precipitation totals elsewhere. The only really dry areas with less than one-half the normal precipitation totals at this point in the season are the Laramie-Wheatland area in the southeast and a small area of the Bighorn basin in the shadow of the Owl Creek Mountains.

STREAMFLOW

If the state receives normal amounts of precipitation during the spring months, average to excellent streamflow volumes can be expected throughout the state. Volume forecasts for the spring and summer months range from slightly above average in the Powder, Bighorn and Lower Green River basins to 30-50 percent above normal in the North Platte, Snake, Upper Green and Wind River basins.

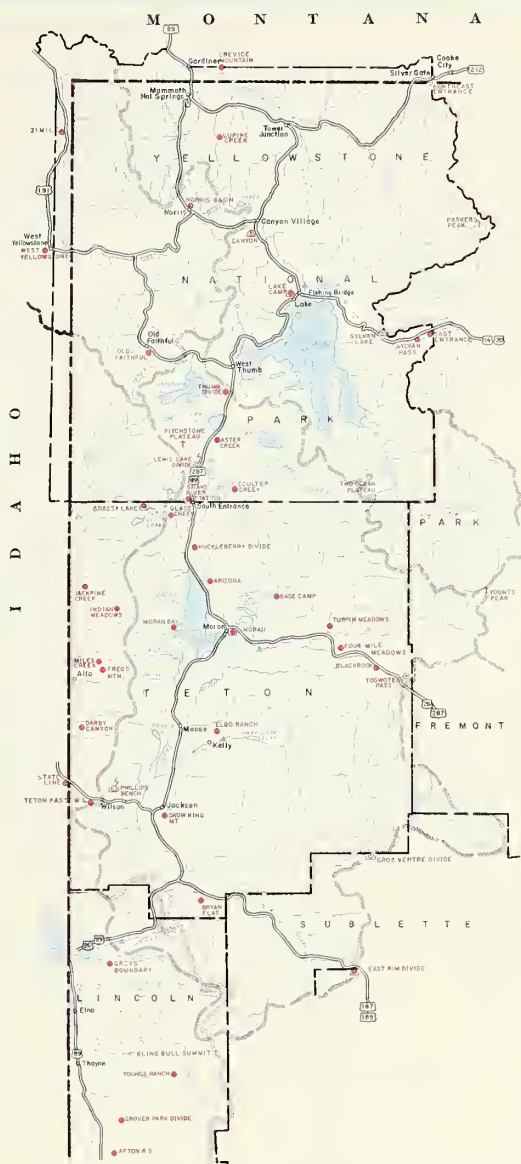
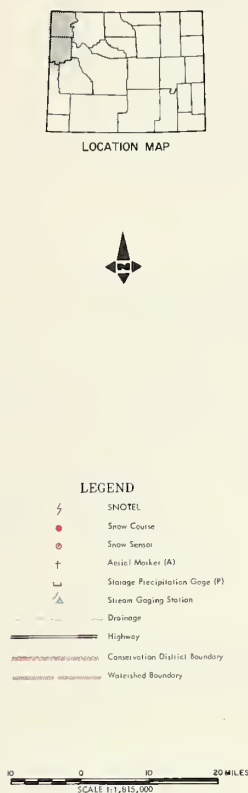
RESERVOIR STORAGE

Carryover storage in many of the larger reservoirs in the state is below normal. Palisades is currently 66 percent below the February 1 average. Storage in the Wind, Bighorn and North Platte systems is slightly above normal.

WATER SUPPLY OUTLOOK

FOR THE CONSERVATION DISTRICTS IN THE SNAKE, MADISON AND UPPER YELLOWSTONE RIVER WATERSHEDS IN WYOMING

FEBRUARY 1, 1978



YOUR WATER SUPPLY

FEBRUARY 1 SNOWPACK IS EXCELLENT THROUGHOUT THIS REGION (128% TO 171% OF NORMAL). WITH CONTINUED NORMAL SNOWFALLS DURING THE REMAINDER OF THE WINTER, SUMMER STREAMFLOW WILL BE GENERALLY ABOUT 130% OF AVERAGE. RESERVOIR STORAGE, DEPLETED BY LAST SUMMER'S LOW STREAMFLOWS, REMAINS AS LOW AS 66% BELOW NORMAL AT PALISADES RESERVOIR.

SNAKE, MADISON AND UPPER YELLOWSTONE RIVER WATERSHEDS

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year**	Average †
Yellowstone River at Yellowstone Lake Outlet	950	116	Apr-Sept	387	821
Snake River near Moran (1)	1120	131	Apr-Sept	340	858
Snake River above Palisades near Alpine (1)	3480	133	Apr-Sept	1037	2621
Snake River at Heise (2)	5200	132	Apr-Sept	1494	3946
Pacific Creek at Moran	234	138	Apr-Sept	--	169
Greys River above Palisades	550	142	Apr-Sept	90	388
Salt River above Palisades near Etna	500	137	Apr-Sept	121	365
Palisades Reservoir Inflow (1)	4900	133	Apr-Sept	1031	3683
Swift Creek near Afton	- Not forecast -		May-Sept	--	45

(1) Observed flow plus change in storage in Jackson Lake.

(2) Observed flow plus change in storage in Jackson Lake and Palisades Reservoir.

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Madison (Wyo. only)	4	363	130
Yellowstone (Wyo. only)	6	384	128
Snake ab. Jackson Lake	8	463	140
Pacific Creek	2	419	148
Buffalo Creek	5	351	150
Gros Ventre River	3	357	135
Hoback River	5	262	143
Greys River	3	515	168
Salt River	5	469	171

RESERVOIR STORAGE (Thousand Ac. Ft.)

END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Grassy Lake	15.1	8.5	10.6	10.0
Jackson Lake	847.0	307.4	586.0	540.9
Palisades	1200.0	263.2	1026.4	782.1

+ 1958-1972 period.

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SOIL CONSERVATION SERVICE
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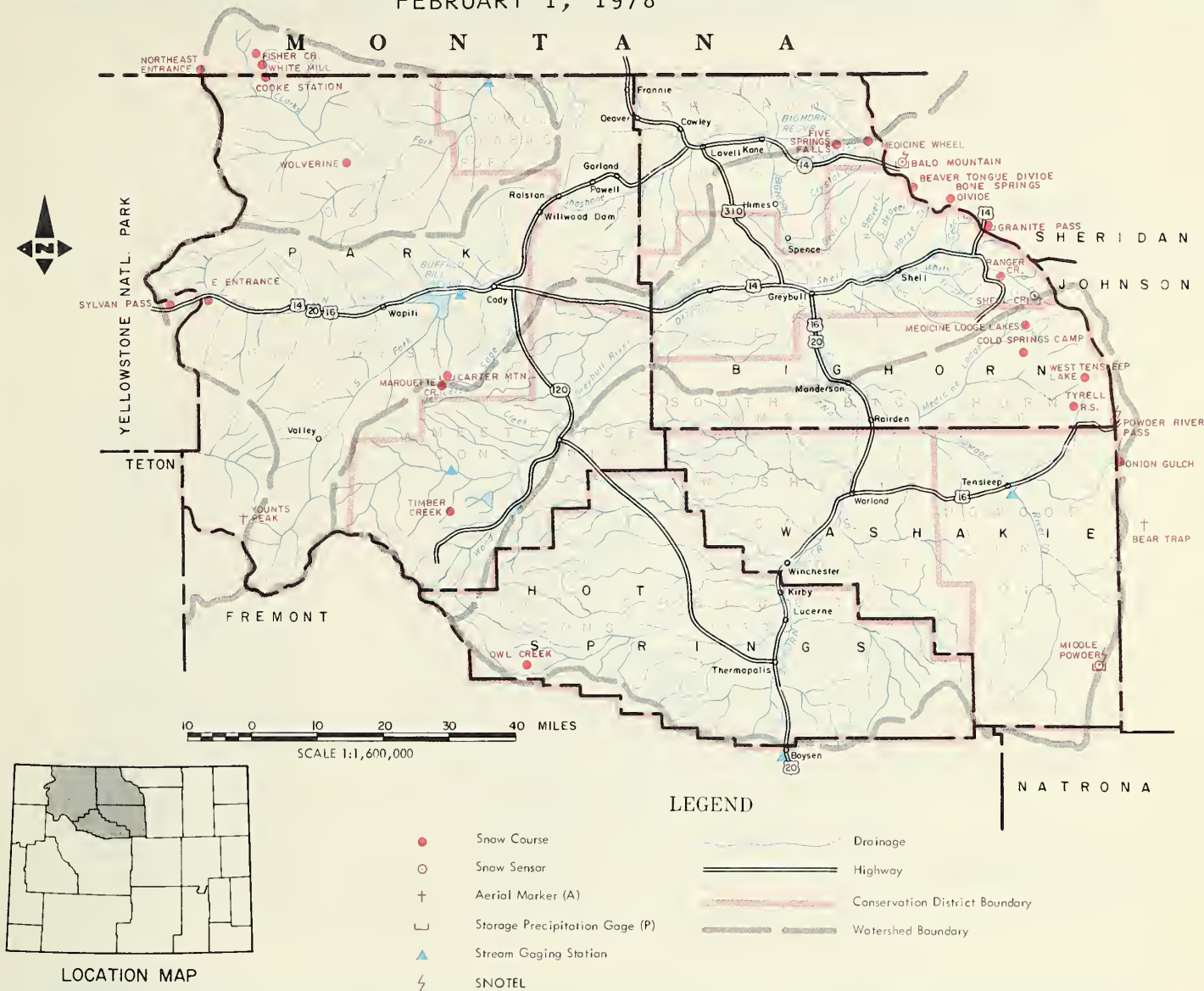


FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE BIGHORN BASIN IN WYOMING

FEBRUARY 1, 1978



YOUR WATER SUPPLY

VERY GOOD FEBRUARY 1 SNOW WATER CONTENTS HAVE BEEN MEASURED IN MOST OF THE BASIN. GREYBULL RIVER SNOWPACK IS BELOW NORMAL BUT ALL OTHERS RANGE FROM 130 TO 151 PERCENT OF NORMAL. NEAR AVERAGE STREAMFLOWS DURING THE SUMMER ARE EXPECTED FOR THE GREYBULL AND TENSLEEP DRAINAGES, WHILE OTHERS ARE AS HIGH AS 126% OF AVERAGE ON THE SHOSHONE RIVER. RESERVOIR STORAGE IS NEAR NORMAL.

BIGHORN BASIN

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average +
BASIN, STREAM and/or FORECAST POINT					
Wind River below Boysen (1)	1160	115	Apr-Sept	479	1006
Tensleep Creek near Tensleep	76	96	Apr-Sept	-	79
Medicine Lodge Creek near Hyattville	26	124	Apr-Sept	-	21
Shell Creek near Shell	85	116	Apr-Sept	55	73
Greybull River at Meeteetse	220	105	Apr-Sept	134	209
Shoshone River below Buffalo Bill Dam (2)	1040	126	Apr-Sept	381	827
Clarks Fork near Belfry	715	118	Apr-Sept	-	607

(1) Observed flow plus change in storage in Bull Lake, Pilot Butte and Boysen Reservoirs; plus diversion to Wyoming Canal.

(2) Observed flow plus change in storage in Buffalo Bill Reservoir and diversion to Heart Mountain Canal.

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average +
Clarks Fork	3	244	140
Shoshone	4	315	151
Nowood	4	172	130
Shell	4	160	131
Greybull	2	141	58

SNOW

DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	THIS YEAR		PAST REC	
		Snow Depth (in.)	Water Cont. (in.)	Water Content (inches) Last Yr.	Ave.†
Bald Mountain	2/01	76	19.6	16.1	14.6
Bear Trap Aerial	2/02	35	8.8	6.0	6.5
Bone Spring Divide	2/01	56	14.6	11.1	12.2
Carter Mountain	1/30	11	2.2	1.8	3.0
Cooke Station	1/27	72	21.4	8.6	-
East Entrance	1/31	42	12.2	2.9	7.1
Fisher Creek	1/27	103	32.8	15.1	24.8
Five Springs Falls	1/31	33	7.6	7.1	5.4
Marquette Creek	1/30	15	2.6	2.6	-
Medicine Lodge Lakes	2/02	46	12.3	6.4	7.8
Middle Powder	1/31	24	5.9	6.2	7.3
Northeast Entrance	1/27	41	10.6	4.0	6.6
Onion Gulch	2/03	35	8.9	4.2	6.4
Owl Creek	1/28	13	2.1	1.8	3.6
Powder River Pass	2/02	44	11.4	5.8	-
Ranger Creek	2/02	38	8.9	4.4	7.0
Shell Creek	2/02	54	14.5	4.4	10.3
Sylvan Pass	1/31	50	14.4	3.8	9.4
Timber Creek	1/28	5	0.9	0.4	2.3
Tyrell R.S.	2/02	37	8.6	4.0	5.9
White Mill	1/27	79	25.6	10.8	-
Wolverine	1/29	43	13.0	4.0	-
Younts Peak Aerial	D e l a y e d		5.0	-	-

+ 1958-1972 period

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Boysen	549.9	295.8	313.6	289.0
Buffalo Bill	373.1	152.0	170.0	164.7
Bighorn	1356.0	899.4	905.6	792.5
Upper Sunshine	53.0	- No Report	-	-
Lower Sunshine	58.9	- No Report	-	-

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P.O. Box 286
Worland, Wyoming 82401

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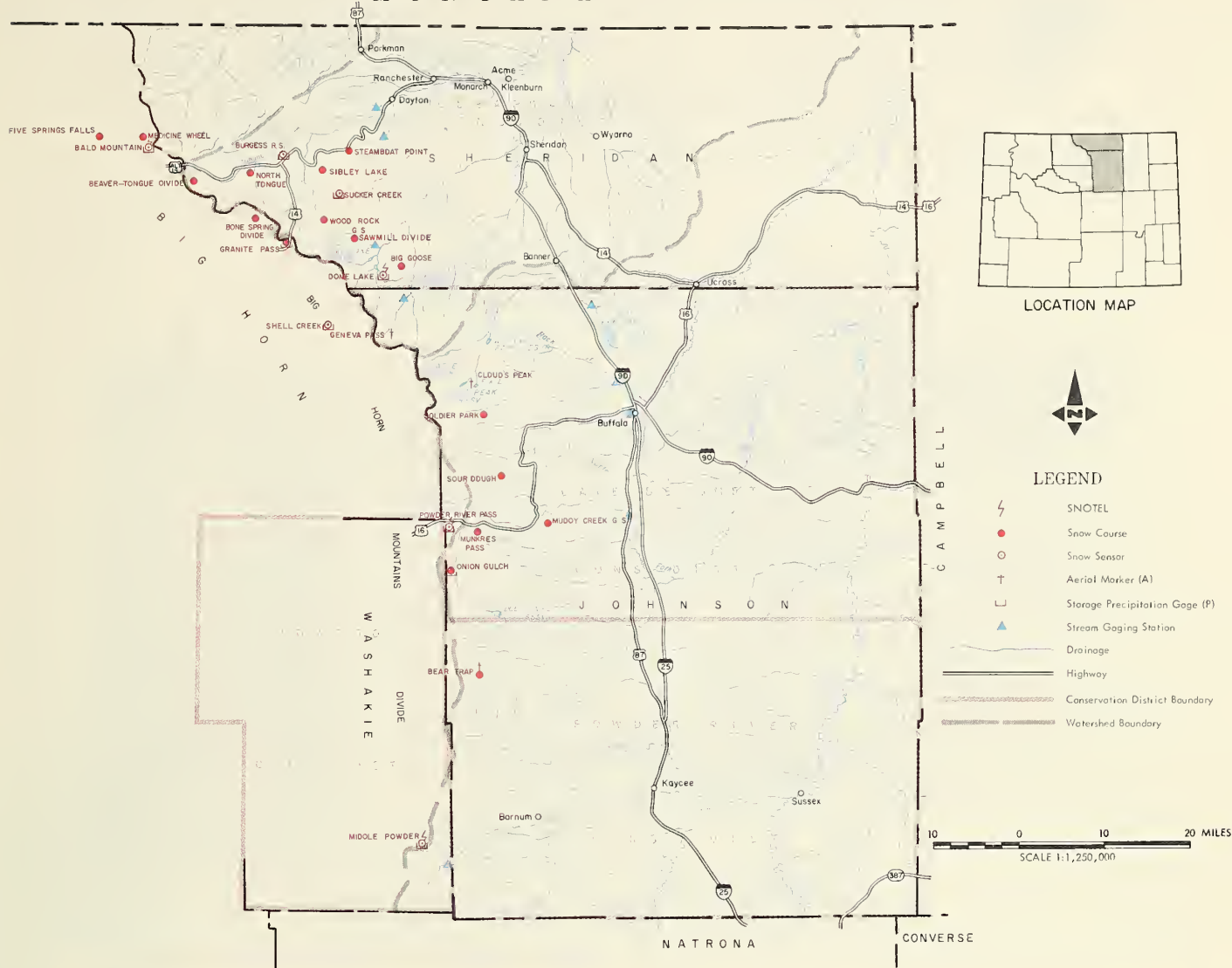
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"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE POWDER AND TONGUE WATERSHEDS IN WYOMING

FEBRUARY 1, 1978

M O N T A N A



YOUR WATER SUPPLY

SPRING AND SUMMER STREAMFLOWS ARE FORECAST A LITTLE ABOVE NORMAL (106 TO 110 PERCENT). SNOWPACK ACCUMULATIONS ARE GOOD RANGING FROM 108% (POWDER RIVER) TO 130% OF THE FEBRUARY 1 AVERAGE FOR CRAZY WOMAN CREEK. THE TONGUE RIVER IS EXPECTED TO FLOW AT 112% OF NORMAL.

STREAMFLOW FORECASTS

^a Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

(COMPARISON WITH PREVIOUS YEARS)

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

SNOW

A - Aerial stadia marker. Water content estimated. + 1958-1972 period

FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

FEBRUARY 1, 1978



YOUR WATER SUPPLY

SNOW WATER ACCUMULATIONS AVERAGE 95% OF THE USUAL FEBRUARY 1 AMOUNT. SPRING AND SUMMER STREAMFLOWS ARE EXPECTED TO BE NEAR AVERAGE. RESERVOIR STORAGE AVERAGES 109% WITH ANGOSTURA LOW AT 51% AND KEYHOLE HIGHEST AT 144%.

BELLE FOURCHE AND CHEYENNE RIVER WATERSHEDS

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD	
	FORECAST		THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average	PERIOD	Last Year Average †
- No forecasts for this area -				

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Belle Fourche	4	73	95

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (inches) Last Yr.	Ave. †
Bearlodge Divide	1/31	13	3.4	4.0	2.3
Mallo Pillow	1/29	23	4.6	5.6	-
Mount Tom Pillow	- No Report	-	-	6.2	-
Reuter Canyon	2/01	26	6.4	8.8	6.6
Sweetwater Pillow	- No Report	-	-	5.1	-
Upper Spearfish	1/31	22	3.7	6.6	4.6
Warren Peak	2/01	23	5.5	6.5	6.6

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Keyhole	190.4	102.8	121.9	71.4
Belle Fourche	185.2	85.7	57.7	88.4
Angostura	86.2	26.8	38.9	52.3
Deerfield	15.1	15.2	14.3	10.7
Pactola	55.0	48.2	52.8	38.5
Shadehill	81.5	61.6	61.0	49.7

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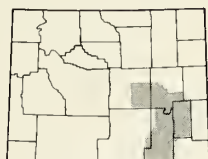


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WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE LOWER NORTH PLATTE RIVER WATERSHED IN WYOMING

FEBRUARY 1, 1978

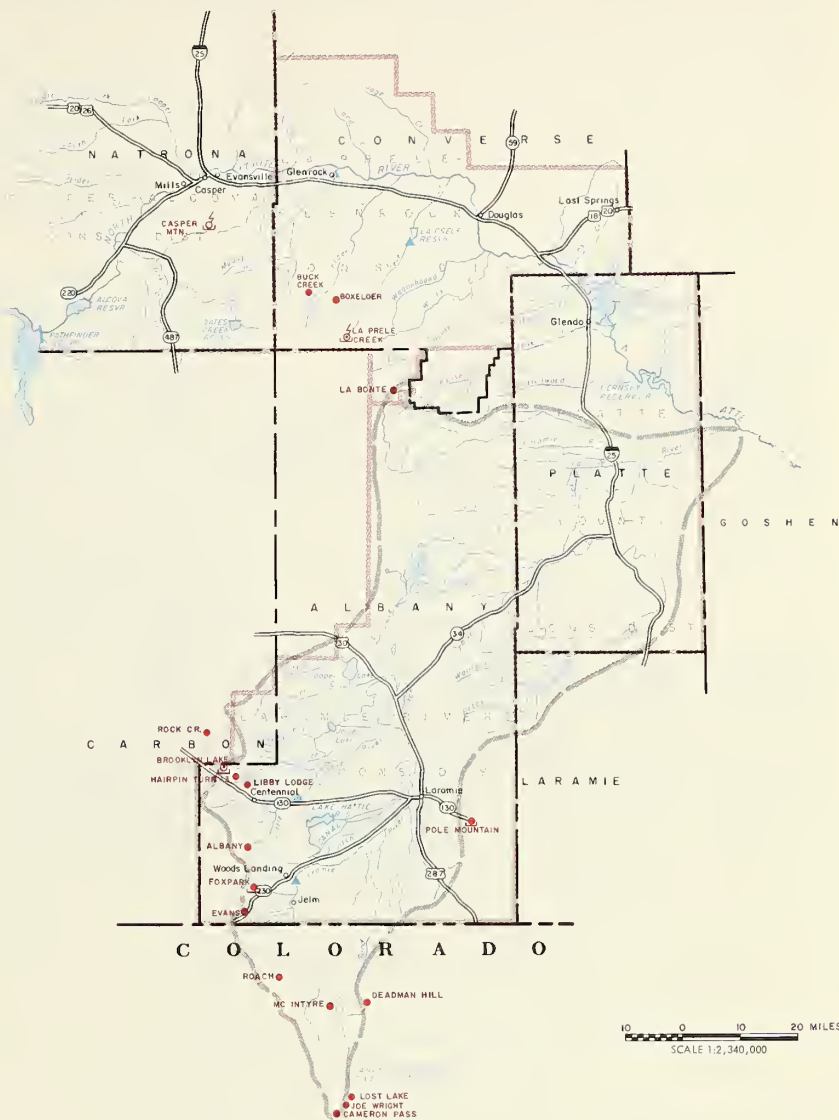


LOCATION MAP



LEGEND

- SNOTEL
- Snow Course
- Snow Sensor
- Storage Precipitation Gage (P)
- Stream Gaging Station
- Drainage
- Highway
- Conservation District Boundary
- Watershed Boundary



YOUR WATER SUPPLY

MOUNTAIN SNOWPACKS RANGE FROM AVERAGE IN THE LOWER NORTH PLATTE TO 160% OF NORMAL IN THE LARAMIE RIVER DRAINAGE. SPRING AND SUMMER STREAMFLOWS ARE EXPECTED TO BE ABOVE NORMAL (130% ON NORTH PLATTE) WITH ONE BEING 20% BELOW NORMAL (DEER CREEK). RESERVOIR STORAGE IS AVERAGE FOR FEBRUARY 1.

LOWER NORTH PLATTE RIVER WATERSHED

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
North Platte River near Sinclair	840	130	Apr-Sept	257	648
Deer Creek at Glenrock	21	80	Mar-July	30	26.
LaPrele Creek near Douglas (Ab. Reservoir)	19.8	110	Mar-July	13.2	18
Laramie River & Pioneer Canal near Woods (1)	165	130	Apr-Sept	67	127
Little Laramie River near Filmore	86	139	Apr-Sept	32	62

(1) Observed flow plus transbasin diversions from North Platte River Basin to Cache La Poudre River Basin in Colorado.
 ** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Laramie River	13	385	160
Lower North Platte	3	126	102

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Seminole	1010.5	368.5	498.3	392.7
Pathfinder	1015.9	382.3	765.0	341.4
Alcova	30.7	4.0	2.6	-1.9
Glendo	783.7	327.1	313.2	313.4
Guernsey	45.2	14.5	5.9	10.7
Wheatland No. 2	98.9	14.0	31.5	39.7*

*Less than 15 years in period

SNOW

DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Snow Depth (In.)	Water Cont (In.)	PAST REC.	
				Last Yr.	Ave †
Albany	1/31	51	15.7	4.3	9.6
Boxelder	1/29	21	5.1	3.4	3.9
Brooklyn Lake	1/31	69	23.0	4.8	13.7
Buck Creek	1/30	26	5.4	3.8	-
Cameron Pass	2/01	71	23.9	8.6	16.5
Casper Mountain	1/31	26	6.2	6.3	8.4
Deadman Hill	1/26	41	12.2	2.6	10.4
Evans	2/01	42	12.6	3.1	6.7
Foxpark	1/31	37	9.8	1.4	4.2
Hairpin Turn	1/30	59	19.2	2.8	10.6
Joe Wright	1/01	68	21.0	9.1	16.1
LaBonte	1/28	20	4.5	2.8	3.2
Libby Lodge	1/30	46	13.1	2.5	7.1
Lost Lake	1/27	45	11.9	2.2	7.7
Pole Mountain	1/02	18	3.5	2.2	3.0
Roach	1/28	59	15.5	5.2	10.6
Rock Creek	1/31	72	21.3	11.4	14.8

+ 1958-1972 period

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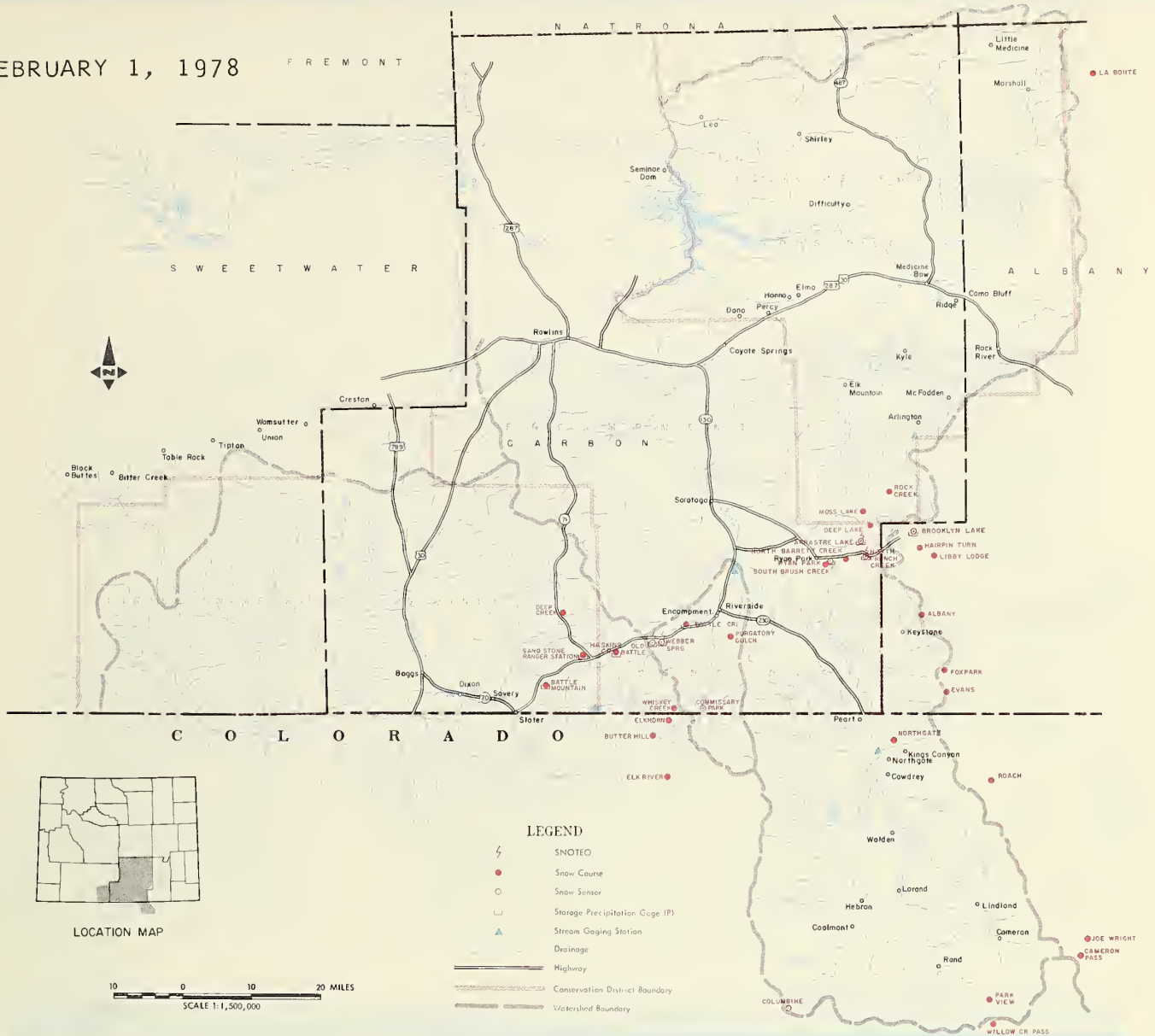


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"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE UPPER NORTH PLATTE AND LITTLE SNAKE RIVER BASINS IN WYOMING

FEBRUARY 1, 1978



YOUR WATER SUPPLY

STREAMFLOWS FOR THIS SPRING AND SUMMER ARE FORECAST FROM 121% ON THE ENCAMPMENT RIVER TO 145% OF NORMAL ON ROCK CREEK. THE EXCELLENT SNOWPACK RANGES FROM 135 TO 155 PERCENT OF THE USUAL FEBRUARY 1 CONDITIONS. RESERVOIR STORAGE AT SEMINOE IS AT 94% OF AVERAGE.

UPPER NORTH PLATTE RIVER AND LITTLE SNAKE RIVER BASINS STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
BASIN, STREAM and/or FORECAST POINT					
North Platte River near Northgate	336	140	Apr-Sept	63	240
North Platte River near Sinclair	840	130	Apr-Sept	257	648
Encampment River near Encampment	170	121	Apr-Sept	55	141
Rock Creek near Arlington	80	145	Apr-Sept	32	55
Little Snake near Dixon	420	140	Apr-Sept	55	301
Little Snake near Slater, Colo.	190	131	Apr-Sept	--	145

** Measured flow for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average +
Upper North Platte	15	290	145
Medicine Bow River and Rock Creek	2	273	155
Little Snake	2	364	135

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Seminole	1010.5	368.5	498.3	392.7

SNOW

DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	THIS YEAR		PAST REC.	
		Snow Depth (In.)	Water Cont. (In.)	Water Content (Inches) Last Yr.	Ave. +
Albany	1/31	51	15.7	4.3	9.6
Battle Mountain	2/01	37	9.9	2.3	-
Brooklyn Lake	1/31	69	23.0	4.8	13.7
Butter Hill	2/01	45	12.5	3.1	-
Cameron Pass	2/01	71	23.9	8.6	16.5
Deep Creek	2/01	48	13.1	3.3	-
Deep Lake	1/31	111	36.7	13.7	-
Elkhorn	2/01	80	23.8	5.5	-
Elk River	2/01	62	17.9	4.2	11.4
Evans	2/01	42	12.6	3.1	6.7
Foxpark	2/31	37	9.8	1.4	4.2
Hairpin Turn	2/30	59	19.2	2.8	10.6
Haskins Creek	2/01	97	28.5	6.5	-
LaBonte	1/28	20	4.5	2.8	3.2
Libby Lodge	2/30	46	13.1	2.5	7.1
Moss Lake	2/31	79	23.6	7.6	-
North Barrett Creek	2/31	58	14.9	8.1	13.3
North French Creek Pillow	2/31	87	20.0	7.8	14.2
Old Battle	2/01	84	27.2	8.2	22.0
Purgatory Gulch	2/01	29	7.5	2.6	-
Rock Creek	2/31	72	21.3	11.4	14.8
Ryan Park	2/31	37	9.0	4.4	7.0
Sandstone R.S.	2/01	51	14.3	3.6	-
Webber Spring	2/01	69	21.2	5.5	13.9
Whiskey Creek	2/01	92	28.3	6.8	-

+ 1958-1972 period

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FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE WIND RIVER BASIN AND SWEETWATER RIVER WATERSHED IN WYOMING

FEBRUARY 1, 1978



YOUR WATER SUPPLY

FEBRUARY 1 FORECASTS OF SPRING AND SUMMER STREAMFLOWS ARE AS HIGH AS 149% ON THE UPPER WIND RIVER. BULL LAKE CREEK AND THE LITTLE POPO AGIE ARE EXPECTED TO BE 4 AND 10% BELOW NORMAL, RESPECTIVELY. SNOWPACKS RANGE FROM 91 TO 152 PERCENT. BULL LAKE AND BOYSEN RESERVOIR STORAGE IS NEAR NORMAL BUT PILOT BUTTE IS 56% BELOW NORMAL.

WIND RIVER BASIN AND SWEETWATER RIVER WATERSHED STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
Wind River near Dubois	152	149	Apr-Sept	42	102
Wind River at Riverton (1)	830	125	Apr-Sept	292	664
Wind River below Boysen (2)	1160	115	Apr-Sept	479	1006
Bull Lake Creek near Lenore (3)	174	96	Apr-Sept	105	182
Little Popo Agie near Lander	43	90	Apr-Sept	20	48

- (1) Observed flow plus change in storage in Bull Lake and Pilot Butte Reservoirs and diversion to Wyoming Canal.
 (2) Observed flow plus change in storage in Bull Lake, Pilot Butte and Boysen Reservoirs; plus diversion to Wyoming Canal.
 (3) Observed flow plus change in storage in Bull Lake
 ** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Wind River	9	579	152
Popo Agie	5	198	91
Sweetwater	3	295	117

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (in.)	Water Cont. (in.)	Last Yr	Ave †
Big Warm Spring	1/28	23	6.4	0.8	4.4
Blue Ridge	1/30	23	7.6	4.4	8.0
Burroughs Creek	1/29	50	17.7	2.3	9.2
Castle Creek	1/29	24	5.6	0.1	-
Dinwoody	1/31	34	8.7	1.0	8.2
DuNoir	1/28	30	8.3	1.4	5.2
Geyser Creek	1/28	29	7.5	0.1	4.7
Grannier Meadows	1/30	31	10.8	4.9	9.6
Hobbs Park	2/01	32	8.8	3.0	9.2
Larsen Creek	2/01	44	12.8	2.2	9.4
Little Warm	1/28	53	16.2	3.2	10.7
Middle Fork	1/30	14	2.8	3.5	-
Owl Creek	1/28	13	2.1	1.8	3.6
Sawmill Glade	1/30	14	4.4	3.6	5.8
Sheridan R.S.	1/28	29	7.0	1.1	5.1
St. Lawrence R.S.	2/01	17	3.0	1.8	4.5
South Pass	1/30	37	10.3	4.4	10.0
T-Cross Ranch	1/29	33	9.0	0.1	4.8
Togwotee Pass	2/02	98	29.3	9.0	20.0
Younts Peak Aerial	Dec 1	aye	d	5.0	-

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Bull Lake	151.8	79.4	54.0	83.5
Pilot Butte	31.6	5.9	8.2	13.3
Boysen	549.9	295.8	313.6	289.0

+ 1958-1972 period

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FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

UPPER GREEN RIVER BASIN IN WYOMING

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
Green River at Warren Bridge	415	127	Apr-Sept	165	327
Green River near LaBarge	1300	131	Apr-Sept	288	931
Green River near Green River (1)	1300	131	Apr-Sept	279	989
Flaming Gorge Inflow	1241	106	Apr-July	1233	1174
LaBarge Creek at LaBarge Meadows	11.7	130	Apr-Sept	2.6	9.0
Big Sandy River near Big Sandy	60	105	Apr-Sept	26	57

(1) Observed flow plus change in storage in Fontenelle Reservoir.

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Upper Green, East side	8	293	134
Upper Green, West side	6	566	164
Big Sandy	2	337	116

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (in.)	Water Cont (in.)	Water Content (inches)	
				Last Yr.	Ave. †
Big Sandy Opening	2/01	48	12.5	3.9	10.5
Blind Bull Summit Aerial	1/28	106	31.8	6.6	18.3
East Rim Divide	1/28	50	12.8	14.8	8.9
Elkhart Park	1/31	48	13.2	3.2	10.0
Grannier Meadows	1/30	31	10.8	4.9	9.6
Gros Ventre Summit	1/29	38	9.8	2.6	9.0
Kendall R.S.	1/29	44	13.0	3.0	9.6
Larsen Creek	2/01	44	12.8	2.2	9.4
Loomis Park	1/28	63	20.6	3.7	12.9
New Fork Lake	1/28	42	13.5	2.0	9.0
Pocket Creek	1/31	40	10.4	2.9	9.2
Poison Meadows	2/02	111	33.1	6.2	21.2
Rowdy Creek	1/27	79	25.4	4.0	16.9
Snider Basin	2/02	66	20.2	3.6	10.3
South Pass	1/30	37	10.3	4.4	10.0
Triple Peaks	1/27	94	31.7	4.2	18.6

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Eden	11.8	2.4	6.1	--
Big Sandy	38.3	8.9	19.5	14.7
Fontenelle	344.8	251.6	213.9	--
Flaming Gorge	3749.0	1987.5	3017.0	--

+ 1958-1972 period

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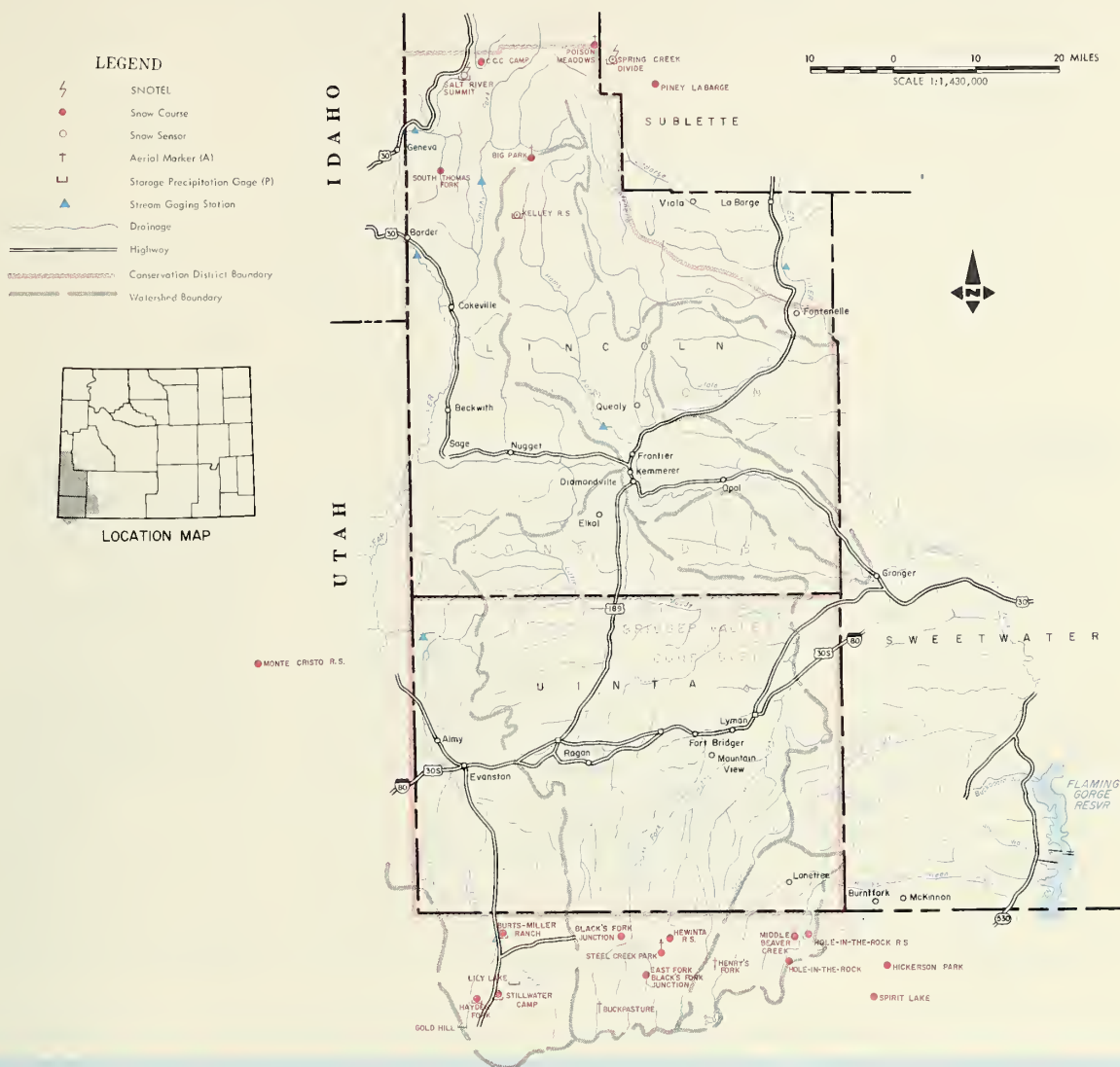


FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE LOWER GREEN RIVER AND BEAR RIVER WATERSHEDS IN WYOMING

FEBRUARY 1, 1978



YOUR WATER SUPPLY

DROUGHT CONDITIONS OF LAST SUMMER SHOULD BE RELIEVED BY SNOWPACKS THAT RANGE AS HIGH AS 153% OF AVERAGE, AND AS MUCH AS 5 TO 6 TIMES THE MEAGER SNOWFALL MEASURED ON FEBRUARY 1, 1977. MOST STREAMFLOWS THIS SUMMER WILL BE 30% ABOVE NORMAL WITH THE HENRY'S AND BLACK'S FORKS RUNNING AROUND ONLY 10% BELOW NORMAL. VIVA NAUGHTON RESERVOIR IS 28% BELOW THE USUAL FEBRUARY 1 STORAGE AMOUNT.

LOWER GREEN RIVER AND BEAR RIVER WATERSHEDS

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
LaBarge Creek at LaBarge Meadows	11.7	130	Apr-Sept	2.6	9.0
Green River near Green River (1)	1300	131	Apr-Sept	279	989
Hams Fork below Pole Creek, near Frontier	90	130	Apr-Sept	-	69
Blacks Fork near Millburne	85	90	Apr-July	44	94
Flaming Gorge Inflow	1241	106	Apr-July	1233	1174
Smiths Fork near Border	150	130	Apr-Sept	27	116
Thomas Fork near State Line	48	130	Apr-Sept	3.8	32
Bear River at Utah-Wyoming State Line	113	101	Apr-July	41	112
Henry's Fork near Manila, UT	40	89	Apr-Sept	3.6	45

(1) Observed flow plus change in storage in Fontenelle Reservoir.

** Measured flow for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Bear River	1	603	116
Thomas & Smiths Forks	3	542	153

RESERVOIR STORAGE (Thousand Ac. Ft.)

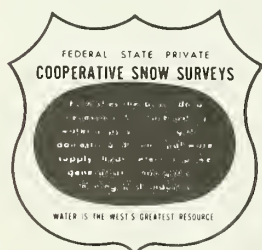
END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Fontenelle	344.8	251.6	213.9	-
Flaming Gorge	3749.0	1987.5	3017.0	-
Viva Naughton	42.4	20.8	30.3	28.9*

*Average for period of record.

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SNOW

DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	THIS YEAR			PAST REC.	
		Snow Depth (in.)	Water Cont. (in.)	Water Content (inches)	Last Yr.	Ave†
Big Park	1/30	63	20.4	3.8	13.6	
CCC Camp	1/31	45	14.6	3.4	8.3	
Hayden Fork	1/24	42	12.4	2.2	-	
Hewinta G.S.	1/24	29	6.5	1.5	-	
Hickerson Park	1/24	20	3.4	1.9	-	
Kelley R.S.	1/30	59	19.0	3.2	13.2	
Poison Meadows	2/02	111	33.1	6.2	21.2	
Salt River Summit	1/30	56	18.0	3.6	10.8	
South Thomas Fork	1/31	51	17.2	2.8	-	
Spirit Lake	1/24	24	4.1	2.9	-	

+ 1958-1972 period

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"The Conservation of Water begins with the Snow Survey"

BASIC DATA SUPPLEMENT 1

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (Inches)	
				Last Yr.	Ave†
Afton Ranger Station	1/30	19	4.2	1.6	3.4
Albany	1/31	51	15.7	4.3	9.6 c
Arizona	1/31	65	18.3	3.7	12.8
Arrastre Lake Pillow	- No Report	-	-	-	-
Aster Creek	1/30	80	26.6	4.1	21.1
Bald Mountain*	2/01	76	19.6	16.1	14.6 b
Bald Mountain Pillow	- No Report	-	-	-	-
Base Camp	1/31	69	22.0	4.3	13.9
Battle Mountain*	2/01	37	9.9	2.3	-
Bearlodge Divide	1/31	13	3.4	4.0	2.3 a
Bear Trap Aerial	2/02	35	8.8	6.0	6.5 a
Beaver-Tongue Divide	-- Discontinued	--	--	--	--
Big Goose*	2/02	24	4.6	3.9	4.8 b
Big Park*	1/30	63	20.4	3.8	13.6 b
Big Sandy Opening*	2/01	48	12.5	3.9	10.5 b
Big Sandy Opening Pillow	2/01	-	10.7	2.7	-
Big Warm Springs*	1/28	23	6.4	0.8	4.4 b
Blackrock	2/02	77	21.8	6.3	14.5
Blind Bull Summit Aerial	1/28	106	31.8	6.6	18.3 a
Blind Bull Summit Pillow	- No Report	-	-	-	-
Blue Ridge*	1/30	23	7.6	4.4	8.0 b
Bone Spring Divide*	2/01	56	14.6	11.1	12.2 b
Bottle Creek	-- Discontinued	--	--	--	--
Boxelder	1/29	21	5.1	3.4	3.9
Brooklyn Lake*	1/31	69	23.0	4.8	13.7 b
Brooklyn Lake Pillow	- No Report	-	-	-	-
Bryan Flat*	1/26	33	8.4	2.1	7.0 b
Buck Creek	1/30	26	5.4	3.8	-
Burgess Ranger Station	2/01	27	5.4	6.2	5.1 b
Burgess Ranger Sta. Pillow	- No Report	-	-	-	-
Burroughs Creek	1/29	50	17.7	2.3	9.2
Burroughs Creek Pillow	- No Report	-	-	-	-
Butter Hill*	2/01	45	12.5	3.1	-
Cameron Pass	2/01	71	23.9	8.6	16.5
Canyon	1/30	55	15.1	4.1	10.7 c
Canyon Pillow	2/02	-	12.8	-	-
Carter Mountain	1/30	11	2.2	1.8	3.0 c
Casper Mountain	1/31	26	6.2	6.3	8.4
Casper Mountain Pillow	1/31	-	5.5	5.0	-
Castle Creek	1/29	24	5.6	0.1	-
CCC Camp*	1/31	45	14.6	3.4	8.3 b
Chambers Lake	1/27	41	10.9	1.1	5.6
Cloud Peak Aerial	2/02	25	6.0	3.8	6.5 a
Cold Springs Camp	-- Discontinued	--	--	--	--
Columbine Lodge	1/30	85	26.5	6.8	14.3
Cooke Station	1/27	72	21.4	8.6	-
Cottonwood Lake Aerial	1/28	72	23.0	4.4	12.1 a
Cottonwood Lake Pillow	- No Report	-	-	-	-
Coulter Creek	1/30	75	23.9	5.7	-
Darby Canyon	2/01	67	17.6	6.3	-
Deadman Hill	1/26	41	12.2	2.6	10.4
Deep Creek*	2/01	48	13.1	3.3	-
Deep Lake*	1/31	111	36.7	13.7	-
Dinwoody	1/31	34	8.7	1.0	8.2 b
Dinwoody Pillow	- No Report	-	-	-	-
Dome Lake	2/02	29	6.9	4.1	6.5
Dome Lake Pillow	- No Report	-	-	-	-
DuNoir	1/28	30	8.3	1.4	5.2
East Entrance	1/31	42	12.2	2.9	7.1
East Rim Divide*	1/28	50	12.8	14.8	8.9 b
Elbo Ranch	1/30	39	10.8	2.3	-
Elkhart Park G.S.*	1/31	48	13.2	3.2	10.0 b
Elkhorn*	2/01	80	23.8	5.5	-
Elk River	2/01	62	17.9	4.2	11.4
Evans	2/01	42	12.6	3.1	6.7 c
Fisher Creek	1/27	103	32.8	15.1	24.8
Fisher Creek Pillow	1/27	-	29.2	14.4	25.5
Five Springs Falls	1/31	33	7.6	7.1	5.4

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (Inches)	
				Last Yr.	Ave†
Four Mile Meadows	2/02	53	13.8	3.6	9.0
Foxpark*	1/31	37	9.8	14.	4.2 b
Fred's Mountain	2/01	82	21.6	7.0	-
Geneva Pass Aerial	2/02	51	11.7	8.6	11.4 a
Geyser Creek	1/28	29	7.5	0.1	4.7
Glade Creek	1/30	74	22.5	5.8	14.7
Granite Pass	-- Discontinued	--	--	--	--
Grannier Meadows*	1/30	31	10.8	4.9	9.6 b
Grassy Lake	1/30	100	30.8	9.9	23.2
Grogs Boundary*	1/20	53	14.4	2.6	7.8 b
Gros Ventre Summit*	1/29	38	9.8	2.6	9.0 b
Gros Ventre Summit Pillow	1/29	-	10.3	3.0	-
Grover Park Divide	2/01	46	13.4	2.6	8.2
Hairpin Turn*	1/30	59	19.2	2.8	10.6 b
Haskins Creek*	2/01	97	28.5	6.5	-
Hayden Fork	1/24	42	12.4	2.2	-
Hewinta G.S.	1/24	29	6.5	1.5	-
Hickerson Park	1/24	20	3.4	1.9	-
Hobbs Park*	2/01	32	8.8	3.0	9.2 b
Hobbs Park Pillow	- No Report	-	-	-	-
Huckleberry Divide	1/31	74	21.3	5.1	14.6
Indian Meadows	2/01	111	32.6	8.4	-
Jackpine Creek	2/01	71	19.2	5.0	-
Joe Wright	2/01	68	21.0	9.1	16.1 a
Kelley R.S.*	1/30	59	19.0	3.2	13.2 b
Kelley R.S. Pillow	- No Report	-	-	-	-
Kendall R.S.*	1/29	44	13.0	3.0	9.6 b
LaBonte	1/28	20	4.5	2.8	3.2
Lake Camp	1/30	37	9.5	1.8	6.0 c
LaPrele Pillow	- No Report	-	-	-	-
Larsen Creek*	2/01	44	12.8	2.2	9.4 b
Lewis Lake Divide	1/30	126	43.3	6.8	27.5
Lewis Lake Divide Pillow	1/30	-	35.7	-	-
Libby Lodge	1/30	46	13.1	2.5	7.1 c
Little Warm	1/18	53	16.2	3.2	10.7
Little Warm Pillow	- No Report	-	-	-	-
Loomis Park*	1/28	63	20.6	3.7	12.9 b
Lost Lake	1/27	45	11.9	2.2	7.7
Lupine Creek	1/30	33	8.8	2.6	7.7 c
Mallo Pillow	1/29	23	4.6	5.6	-
Marquette Creek	1/30	15	2.6	2.6	-
Medicine Lodge Lakes*	2/02	46	12.3	6.4	7.8 b
Medicine Wheel	-- Discontinued	--	--	--	--
Middle Fork*	1/30	14	2.8	3.5	-
Middle Powder	1/31	24	5.9	6.2	7.3 b
Middle Powder Pillow	1/31	-	5.8	7.2	-
Miles Creek	2/01	53	10.8	3.8	-
Monte Cristo	1/27	62	19.3	3.2	16.7 a
Moran	1/31	49	12.8	4.0	9.6
Moran Bay	- No Report	-	-	-	-
Moss Lake*	1/31	79	23.6	7.6	-
Mount Tom Pillow	- No Report	-	-	-	-
Muddy Creek G.S.*	1/31	15	3.1	0.5	2.8 b
Munkres Pass	-- Discontinued	--	--	--	--
New Fork Lake*	1/28	42	13.5	2.0	9.0 b
Norris Basin	1/28	38	9.6	2.9	8.0
North Barrett Creek	1/31	58	14.9	8.1	13.3 c
Northeast Entrance	1/27	41	10.6	4.0	6.6
Northeast Entrance Pillow	1/27	-	8.6	-	-
North French Creek Pillow	1/31	87	20.0	7.8	14.2
Northgate	2/01	21	4.2	1.8	3.8
North Tongue*	2/01	38	9.6	9.2	9.1 b
Old Battle*	2/01	84	27.2	8.2	22.0 b
Old Battle Pillow	2/01	-	32.1	-	-
Old Faithful	2/02	46	14.1	3.0	-
Onion Gulch*	2/03	35	8.9	4.2	6.4 b
Owl Creek	1/28	13	2.1	1.8	3.6
Parkers Peak Aerial	- Delayed	-	-	12.0	-

BASIC DATA SUPPLEMENT 1

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (Inches)	
				Last Yr.	Ave.†
Park View	1/31	25	6.3	2.2	5.8
Phillips Bench (e)	1/28	89	28.5	7.9	-
Phillips Bench Pillow	1/27	-	26.0	6.0	-
Piney LaBarge	--	Discontinued	--	--	--
Pitchstone Plateau Aerial	- Delayed	-	14.6	-	-
Pocket Creek	1/31	40	10.4	2.9	9.2 b
Poison Meadows*	2/02	111	33.1	6.2	21.2 b
Pole Mountain	2/02	18	3.5	2.2	3.0
Powder River Pass*	2/02	44	11.4	5.8	-
Powder River Pass Pillow	2/02	-	12.7	6.5	-
Purgatory Gulch	2/01	29	7.5	2.6	-
Rabbit Ears	1/30	83	24.8	5.7	16.1
Ranger Creek	2/02	38	8.9	4.4	7.0 c
Reuter Canyon*	2/01	26	6.4	8.8	6.6 b
Roach	1/28	59	15.5	5.2	10.6 a
Rock Creek*	1/31	72	21.3	11.4	14.8 b
Rowdy Creek	1/27	79	25.4	4.0	16.9 b
Ryan Park*	1/31	37	9.0	4.4	7.0 b
Salt River Summit	1/30	56	18.0	3.6	10.8
Salt River Summit Pillow	- No Report	-	-	3.4	-
Sandstone Ranger Station*	2/01	51	14.3	3.6	-
Sawmill Divide	2/02	40	9.3	7.9	-
Sawmill Glade*	1/30	14	4.4	3.6	5.8 b
Shell Creek*	2/02	54	14.5	4.4	10.3 b
Shell Creek Pillow	- No Report	-	-	-	-
Sheridan R.S.	1/28	29	7.0	1.1	5.1 b
Sibley Lake	--	Discontinued	--	--	--
Snake River Station	1/30	74	21.8	5.2	13.8
Snider Basin R. S.*	2/02	66	20.2	3.6	10.3 b
Snow King Mountain	1/30	46	14.5	3.4	10.8 a
Soda Lake	--	Discontinued	--	--	--
Soldier Park*	2/02	22	4.9	1.6	4.0 b
Sour Dough*	1/31	22	4.7	1.0	4.5 b
South Brush Creek Pillow	1/31	-	5.7	6.1	-
South Pass	1/30	37	10.3	4.4	10.0
South Thomas Fork*	1/31	51	17.2	2.8	-
Spirit Lake	1/24	24	4.1	2.9	-
Spring Creek Divide Pillow	2/02	-	23.2	3.7	-
State Line	2/01	47	10.8	2.7	9.9
Steamboat Point*	2/01	27	6.2	4.9	5.2 b
Steel Creek Park	1/24	45	11.6	3.4	-
Stillwater Camp	1/24	31	8.0	1.5	-
St. Lawrence R.S.*	2/01	17	3.0	1.8	4.5 b
St. Lawrence R.S. Pillow	1/31	-	3.3	-	-
Sucker Creek	2/01	39	8.6	8.2	8.1 b
Sucker Creek Pillow	- No Report	-	-	-	-
Sweetwater Mountain Pillow	- No Report	-	-	5.1	-
Sylvan Lake Pillow	- No Report	-	-	-	-
Sylvan Pass	1/31	50	14.4	3.8	9.4 b
T-Cross Ranch	1/29	33	9.0	0.1	4.8
Teton Pass W.S. (e)	1/28	74	23.7	6.1	-
Thumb Divide	1/30	55	16.3	2.8	15.4
Timber Creek (e)	1/28	5	0.9	0.4	2.3 c
Togwotee Pass	2/02	98	29.3	9.0	20.0
Togwotee Pass Pillow	2/02	-	26.5	-	-
Townsend Creek	1/30	16	3.1	4.0	-
Trial Lake	1/24	64	21.1	2.9	15.5
Triple Peaks*	1/27	94	31.7	4.2	18.6 b
Turpin Meadows	2/02	47	13.1	3.0	7.4
Twenty-One Mile	1/27	52	15.9	4.4	12.7
Two Ocean Plateau Aerial	- Delayed	-	-	7.9	-
Tyrell Ranger Station	2/02	37	8.6	4.0	5.9 c
Upper Spearfish	1/31	22	3.7	6.6	4.6
Warren Peak	2/01	23	5.5	6.5	6.6 a
Webber Spring*	2/01	69	21.2	5.5	13.9 b
Webber Spring Pillow	2/01	-	25.7	4.4	-
West Tensleep Lake*	--	Discontinued	--	--	--

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (Inches)	
				Last Yr.	Ave.†
West Yellowstone	1/27	38	11.0	2.8	8.2
Whiskey Creek*	2/01	92	28.3	6.8	-
White Mill	1/27	79	25.6	10.8	-
White Mill Pillow	1/27	-	23.2	9.1	-
Willow Creek Pass	1/31	34	9.9	3.2	7.7
Wolverine	1/29	43	13.0	4.0	8.9 c
Wood Rock G.S.*	- No Report	-	-	6.9	7.1 b
Young's Ranch Aerial	1/28	84	24.4	4.0	-
Younts Peak Aerial	- Delayed	-	-	5.0	-

* Snow course has been shortened or revised; prior records adjusted.

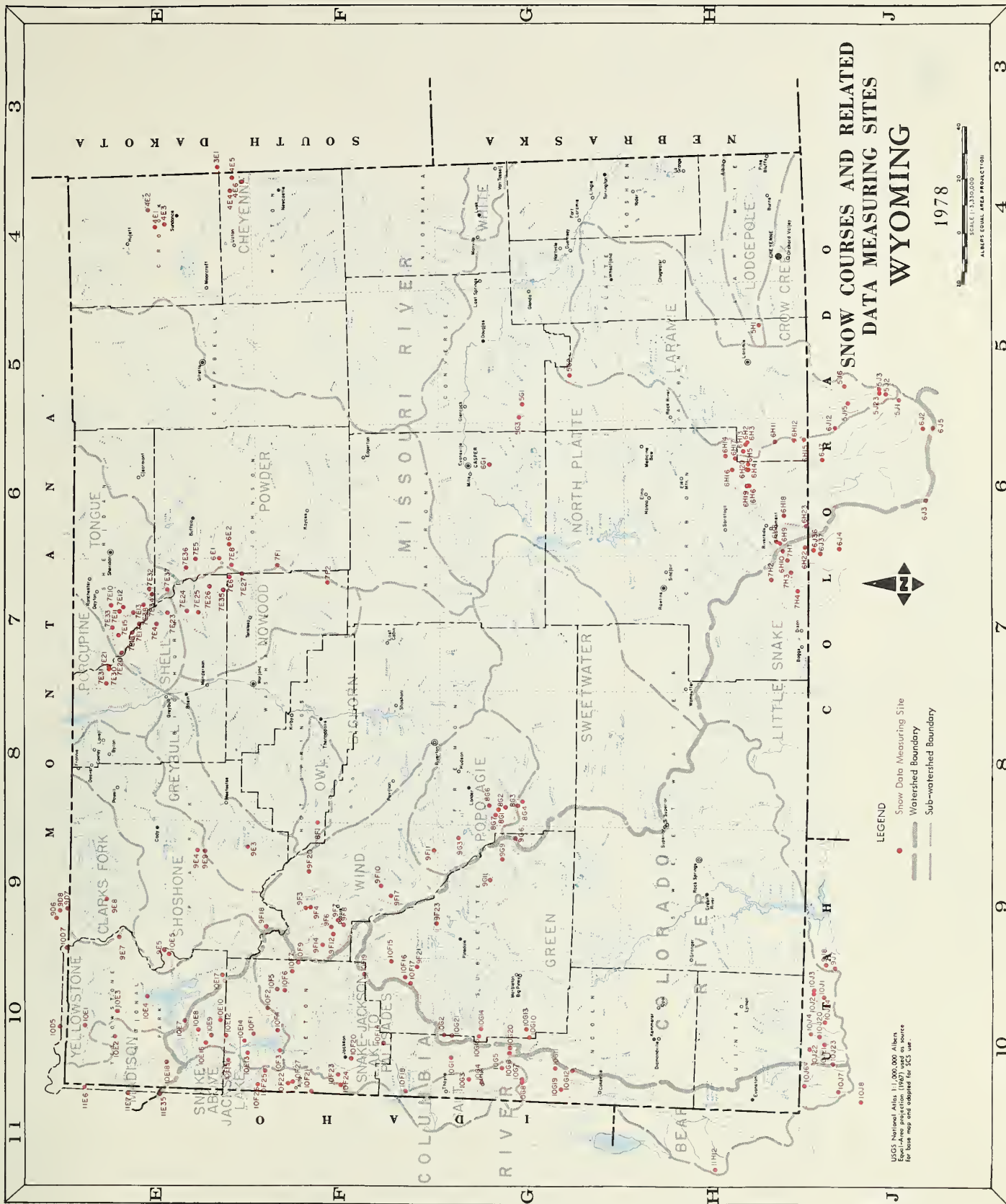
a Less than 15 years in period of average.

b 1958-72 adjusted average.

c Partly estimated.

(e) Estimated water content for this year.

Aerial - Aerial observation; water content estimated.



INDEX TO WYOMING SNOW COURSES AND DATA SITES

WYOMING NUMBER	ELEV.	LOCATION CAT.	RANGE LONG.	DRAINAGE BASIN AND COURSE NAME	WYOMING NUMBER	ELEV.	LOCATION CAT.	RANGE LONG.	DRAINAGE BASIN AND COURSE NAME
MISSOURI RIVER DRAINAGE									
Medicine River									
1183	7950	27	135	SE	7511	7920	40°46'	10°26'	818 Park
1182	7500	4°45'			7512	7920	40°46'	10°26'	Black & Fr. Junc. u
10818	7400	4°4027'			7513	8880	4°491'	10°294'	Black & Fr. Junc. u
1116	7116	1	118	SE					Black & Fr. Junc. u
1117	6700	34	135	SE					Black & Fr. Junc. u
Yellowstone									
1083	7940	4°404'			7514	7900	3	438	Elk River c
1005	8400	4°429'			7515	7900	3	438	Elk River c
1004	8400	4°429'			7516	7900	3	438	Elk River c
1064	7780	4°433'			7517	7900	3	438	Elk River c
1081	7380	4°455'			7518	7900	3	438	Elk River c
1007	7400	33	98		7519	7900	3	438	Elk River c
1007	7400	33	98		7520	7900	3	438	Elk River c
1007	7400	33	98		7521	7900	3	438	Elk River c
1007	7400	33	98		7522	7900	3	438	Elk River c
1007	7400	33	98		7523	7900	3	438	Elk River c
1007	7400	33	98		7524	7900	3	438	Elk River c
1007	7400	33	98		7525	7900	3	438	Elk River c
1007	7400	33	98		7526	7900	3	438	Elk River c
1007	7400	33	98		7527	7900	3	438	Elk River c
1007	7400	33	98		7528	7900	3	438	Elk River c
1007	7400	33	98		7529	7900	3	438	Elk River c
1007	7400	33	98		7530	7900	3	438	Elk River c
1007	7400	33	98		7531	7900	3	438	Elk River c
1007	7400	33	98		7532	7900	3	438	Elk River c
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Agencies Cooperating in Wyoming Snow Surveys

FEDERAL

U.S. Department of Agriculture
Forest Service
Soil Conservation Service

U.S. Department of Commerce
NOAA, National Weather Service

U.S. Department of Interior
Bureau of Reclamation
Geological Survey
National Park Service
Indian Service

STATE

State Engineer of Wyoming

University of Wyoming
Department of Atmospheric Resources
Department of Agricultural Engineering

PRIVATE

Irrigation Districts
Greybull Valley Irrigation District
Wheatland Irrigation District

Conservation Districts
Big Piney
Big Sandy
Bridger Valley
Clearwater
Cody
Dubois-Crowheart
Greybull-Shell
Lake DeSmet
LaPrele-Glenrock
Laramie Rivers
Lincoln
Little Snake River
Medicine Bow
Pinedale
Platte County
Powder River
Powell-Clarks Fork
Riverton
Saratoga-Encampment-Rawlins
Shoshone
Teton
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